

AMENDMENT TO THE CLAIMS

1. (Currently Amended) A hermetic type compressor comprising:

a hermetic container which accommodates stored oil, an electric motor unit, and a compressing unit,

wherein the compressing unit comprises:

a cylinder for storing a reciprocally moving piston, a plate having a suction hole and a discharge hole disposed at an end of the cylinder, a suction muffler having a connection pipe communicated to the suction hole in the plate, and a cylinder head disposed at the side of the plate opposite to the cylinder, and

the cylinder head is formed with a discharge chamber communicating with the discharge hole and a resonance chamber which communicates with an open side of the connection pipe;

a flange which has a generally U-shaped protruding portion having a rounded end portion and has upper and lower surfaces, and an outer surface disposed so as to surround an outer periphery of the connection pipe;

the cylinder head is provided with a generally U-shaped groove having a rounded portion to which the rounded end portion of the generally U-shaped protruding portion of the flange is fitted at a position corresponding to the flange; and

by fitting the flange into the groove, having an effective sealing width added to the upper and lower surfaces and the outer surface, thereby forming a seal portion so as to prevent a leakage of pressure pulsation in the resonance chamber to the outside.

2-3. (Canceled)

4. (Previously Presented) The hermetic type compressor of claim 1, wherein an oil hole is disposed at the bottom of the suction muffler and above the seal portion.

5. (Original) The hermetic type compressor of claim 4, wherein oil stored at the bottom of the suction muffler drips from the oil hole onto the seal portion.

6. (Original) The hermetic type compressor of claim 1, wherein the resonance chamber of the cylinder head has a nearly semi-circular shape arcuately extended to the discharge chamber side.

7. (Previously Presented) The hermetic type compressor of claim 1 or 6, wherein the connection pipe of the suction muffler is provided with a ring-like seat formed so as to be disposed along an inner wall of the resonance chamber.

8. (Previously Presented) The hermetic type compressor of claim 1 or 6, wherein the suction muffler is provided with an opening communicating with the hermetic container, and the resonance frequency of the opening is coincident with the resonance frequency of a resonance muffler configured by the resonance chamber and the ring-like seat disposed along the inner wall of the resonance chamber.

9. (Original) The hermetic type compressor of claim 1, wherein the resonance frequency of a plane portion formed in the hermetic container and the resonance frequency of the opening of the suction muffler are independent of each other.

10. (Previously Presented) The hermetic type compressor of claim 7, wherein the suction muffler is provided with an opening formed in the hermetic container, and the resonance frequency of the opening is coincident with the resonance frequency of a resonance muffler configured by the resonance chamber and the ring-like seat disposed along the inner wall of the resonance chamber.